

IN THE CLAIMS:

The text of all pending claims, (including withdrawn claims) is set forth below. Cancelled and not entered claims are indicated with claim number and status only. The claims as listed below show added text with underlining and deleted text with ~~striketrough~~. The status of each claim is indicated with one of (original), (currently amended), (cancelled), (withdrawn), (new), (previously presented), or (not entered).

Please CANCEL claims 13, 21 and 27 and AMEND claims 12, 14, 16-20, 25, 26, 28 and 29 in accordance with the following:

1-11. (Cancelled)

12. (Currently Amended) A method for determining a path to convey information from a first radio station to a second radio station via at least one intermediate radio station, the information being conveyed such that the first radio station and each intermediate radio station transfer the information to an adjacent radio station in a direction of the path, from a transferor radio station to a transferee radio station, comprising:

dividing a frequency band into a plurality of frequency subbands for communication between the radio stations, —with at least one frequency subband being assigned to each radio station, the frequency band being divided at athe radio installation;

determining ~~at least a portion of the path at the~~ radio installation upon request of the first radio station, the path being determined by identifying links from the first radio station to the second radio station via at least one intermediate radio station and assigning a frequency subband to each link on the path;

transmitting first path identification information, ~~from the base station radio installation to the first radio station, the first path identification information describing a first link, which extends from the first radio station, first path identification information specifying the intermediate radio station connected to the first radio station via the first link;~~

transmitting from the ~~base station radio installation~~ to one or more intermediate radio station: ~~the~~ later path identification information, the later path identification information describing a later link from the intermediate radio station, the later path identification information specifying (a) a next adjacent radio station connected to the intermediate radio station via the later link, — Information identifying and (b) the frequency subband assigned to the later link ~~an other intermediate radio station and information identifying the subband assigned to it and/or identifying the first radio station and information identifying the subband assigned to it and/or~~

~~identifying the second radio station and information identifying the subband assigned to it.~~

13. (Cancelled)

14. (Currently Amended) A method according to claim ~~[[13]]~~12, wherein the radio installation transmits to each intermediate radio station:

- information identifying the transferor radio station for the intermediate radio station, and
- information identifying the ~~subband~~frequency subband assigned to the transferor radio station.

15. (Previously Presented) A method according to claim 12, wherein, the radio installation transmits the path identification information to the second radio station.

16. (Currently Amended) A method according to claim 15, wherein the radio installation also transmits to the second radio station:

- information identifying the transferor radio station for the second radio station and
- information identifying the ~~subband~~frequency subband assigned to the transferor radio station.

17. (Currently Amended) A method according to claim 12, wherein, the radio stations of the radio communications system are combined into groups, each group has a single representative radio station, and the radio installation only communicates with the representative radio stations in transmitting the path identification information, the information identifying the radio station and the information identifying the ~~subband~~frequency subband assigned on it.

18. (Currently Amended) A method according to claim 17, wherein in identifying the transferee radio station and the ~~subband~~frequency subband assigned to it: the radio installation transmits information relating to the transferee radio station.

19. (Currently Amended) A method according to claim 18, wherein in identifying the radio station and the ~~subband~~frequency subband assigned to it:

the radio installation also transmits information relating to the transferor radio station.

20. (Currently Amended) A method according to claim 17, wherein,
at least one representative radio station forwards the path information and/or the
information identifying the radio station and/or the information identifying the ~~subband~~frequency
subband to at least one radio station of its group.

21. (Cancelled)

22. (Previously Presented) A method according to claim 17, wherein each
representative radio station is in direct radio contact with all other radio stations of the group.

23. (Previously Presented) The method according to claim 12, wherein the path
identification information is a path number.

24. (Previously Presented) A method according to claim 14, wherein,
the radio installation transmits the path identification information to the second radio
station.

25. (Currently Amended) A method according to claim 24, wherein the radio
installation also transmits to the second radio station:

- information identifying the transferor radio station for the second radio station and
- information identifying the ~~subband~~frequency subband assigned to the transferor
radio station.

26. (Currently Amended) A method according to claim 19, wherein,
each representative radio station forwards the path information and/or sends information
identifying the transferee radio station and/or sends information identifying the
~~subband~~frequency subband to at least one radio station of its group.

27. (Cancelled)

28. (Currently Amended) A radio installation comprising:
a memory to store neighboring relationships between radio stations of a radio

communications system;

means for assigning a frequency subband to each radio station for communication with another radio station, each frequency subband being part of a frequency band divided into a plurality of frequency subbands;

a memory to store information about how the frequency subbands have been assigned to the radio stations;

means for determining at least a portion of a path to convey information from a first radio station to a second radio station via at least one intermediate radio station, the information being conveyed such that the first radio station and each intermediate radio station transfer the information to an adjacent radio station in a direction of the path, from a transferor radio station to a transferee radio station, the path being determined upon receipt of a request, the path being determined by identifying links from the first radio station to the second radio station via at least one intermediate radio station and assigning a frequency subband to each link on the path; and

a transmitter to transmit:

first path identification information to the first radio station, the first path identification information describing a first link, which extends from the first radio station, first path identification information specifying the intermediate radio station connected to the first radio station via the first link; and

later path identification information to one or more intermediate radio station, the later path identification information describing a later link from the intermediate radio station, the later path identification information specifying (a) a next adjacent radio station connected to the intermediate radio station via the later link, and (b) the frequency subband assigned to the later link to an intermediate radio station;

~~information identifying the path;~~

~~Information identifying an other intermediate radio station and information identifying the subband assigned to it and/or identifying the first radio station and information identifying the subband assigned to it and/or identifying the second radio station and information identifying the subband assigned to it.~~

29. (Currently Amended) A method to convey information from a first radio station to a radio access point via at least one intermediate radio station, the information being conveyed such that the first radio station and each intermediate radio station transfer the information to an adjacent radio station toward the radio access point, from a transferor radio station to a transferee radio station, comprising:

receiving a request at a base station from the first radio station, to establish a communication path to the radio access point, the base station being part of a radio installation, the base station having a larger coverage area than the radio access point, the base station operating using a first frequency band and the radio access point operating using a second frequency band different from the first frequency band;

generating path information at the radio installation after receiving the request from the first radio station, the path information being generated by assigning at least one intermediate radio station to the path and assigning a frequency sub-band to the at least one intermediate radio station for communication on the path; and

transmitting the path information from the base station to the at least one intermediate radio station; and

conveying information from the first radio station to the access point via the path.

30. (Previously Presented) The method according to claim 29, wherein information is transmitted on the path only after the path information is transmitted from the base station.